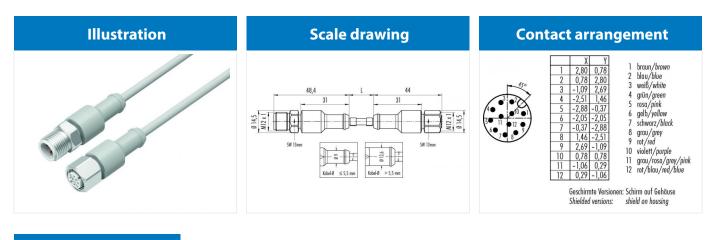
Product data sheet Automation technology - sensors and actuators



Product description

M12-A connecting cord for food and beverage industry, Contacts: 12, not shielded, moulded on cable, IP69K, Ecolab, FDA compliant, M12x1, Standard cable, PP grey, 12 x 0.25 mm²

Area Order number M12-A series 763 77 3730 3729 40912-0200



Technical data

General values

Connector design

Connector locking system Termination Wire gauge (mm) Wire gauge (AWG) Upper limit temperature Lower limit temperature Customs tariff number

Cable data

Cable length Sheath material Single-lead insulation Single-lead structure Cable diameter Conductor resistance Temperature range, moving cable, °C from Temperature range, fixed cable, °C to Temperature range, fixed cable, °C to Bending radius, fixed cable Bending radius, moving cable Approval 1 Approval 2 UL style 1

connecting cord for food and beverage industry screw moulded on cable $0.08 - 0.34 \text{ mm}^2$ 22 - 28 $105 \,^{\circ}\text{C}$ $- 40 \,^{\circ}\text{C}$ 85444290

2 m PP PVC 32 x 0,1 mm 6.6 mm 75 Ω/Km - 5 °C 105 °C -40 °C 105 °C ≥ 5 x Ø ≥ 10 x Ø Ecolab FDA compliant AWM2517

Electrical values

Rated current (40 °C) Rated voltage Rated impulse voltage Pollution degree Overvoltage category Insulating material group Insulation resistance EMC compliance Degree of protection

Degree of protection 2 Mechanical operation

Material

Contact material

Contact plating Contact body material Housing material 1.5 A 30 V 800 V 3 II II $\geq 10^{10} \Omega$ not shielded IP69K IP67 > 100 Mating cycles

Pin: CuZn (brass) / Socket: CuSn (bronze) Au (gold) PP PP

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Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

Connectors with degree of protection IP 67 and IP 68 are not suitable for use under water. When used outdoors, the connectors must be separately protected against corrosion. For further information about IP degrees of protection refer to 'Technical support' in the Download Centre.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).